Referring to the Literal Translation of International Application PCT/DE2003/004182

In the Claims:

1. (original) Method for calibrating 3D image sensors, said sensors comprising:

a light source emitting a modulated emitted signal into the viewed scene; and

a receiving array consisting of a plurality of pixels, said pixels generating a received signal for every pixel individually from a demodulation signal comprising a predetermined phase position with respect to the emitted signal and from the detected radiation reflected by the scene, said received signal being used as a measure of distance;

characterized in that

for the purpose of calibration, the entire receiving array is exclusively illuminated with a calibrating radiation comprising a phase position which is at least largely homogenous for all pixels with respect to the demodulation signal and that the occurring received signals of the individual pixels are evaluated.

2. (original) Method according to claim 1, characterized in that the relative phase deviation between the pixels is detected.

Claims **3 to 9** (canceled).